BRUHAT BANGALORE MAHANAGARA PALIKE

MODIFIED APPROVED SCHEDULE - B

Name of Work: Installation and Construction of RO Plant in Ward No. 08 Kodigehalli.

Sl. No.	Approved Qty.	Description	Unit	Rates	
				Executive Engineer, KRIDL	
				In Figures	In Words
1	20.40	Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Ordinry soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Cum	190.00	Rupees One Hundred Ninety Only
2	7.60	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Cum	5000.00	Rupees Five Thousand Only
3	7.38	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Cum	4300.00	Rupees Four Thousand Three Hundred Only
4	4.43	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Cum	5300.00	Rupees Five Thousand Three Hundred Only
5	20.40	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Cum	150.00	Rupees One Hundred Fifty Only

Signature of the contractor

31/03

Executive Engineer

31/03

	Approved Qty.	Description	Unit	Rates Executive Engineer, KRIDL	
				In Figures	In Words
6	1.48	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Cum	6600.00	Rupees Six Thousand Six Hundred Only
7	1.48	Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bars Fe 500 etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Qtl	6800.00	Rupees Six Thousand Eight Hundred Only
8	6.56	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Sqm	300.00	Rupees Three Hundred Only
9	19.38	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Sqm	1100.00	Rupees One Thousand One Hundred Only
		Electrical Work			
10	2	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Point	250.00	Rupees Two Hundred Fifty Only

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31/03

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31/03

	Approved Qty.	Description	Unit	Rates	
				Executive Engineer, KRIDL	
				In Figures	In Words
11	2	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Point	350.00	Rupees Three Hundred Fifty Only
12	12	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete (1.6.5) 4"x4"x3" (101x101x76mm) etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Each	60.00	Rupees Sixty Only
13	6	(1.6.1) 12"x12"x3" (300x300x76mm)	Each	110.00	Rupees One Hundred Ten Only
14	6	(1.6.3)10"x7"x3" (254x178x76mm)	Each	80.00	Rupees Eighty Only
15	6666.66	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	SqCM	0.20	and Twenty Paise Only
16	10	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Mtr	20.00	Rupees Twenty Only
17	10	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Mtr	50.00	Rupees Fifty Only
18	2	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Each	80.00	Rupees Eighty Only
19	2	Supplying patti type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Each	500.00	Rupees Five Hundred Only
20	5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 1.5 sqmm etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Mtr	20.00	Rupees Twenty Only
21	4	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100 watts 230V GLS lamp etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	Each	800.00	Rupees Eight Hundred Only

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31/03

31/03

	Approved Qty.	Description	Unit	Rates	
				Executive Engineer, KRIDL	
				In Figures	In Words
22	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia etc, the work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charge	No	2800.00	Rupees Two Thousand Eight Hundred Only
		EIRL			
23	1	Providing and Construction of pup panel cabin MS material vetical 50 x 100 mm thick tube, rafter 50 x 100 mm thick rectangle tube 50 x 50 mm thick tuve purlines, roof panel of 30 mm sandwitch puf panel density : 40 kg and wall panel of 30 mm sandwitch puf pannel density : 40 kgs (polyurethane foam) with noth side G I Colour coated sheet ancillaries like C-channels, angles, sealene etc, door of size 1.8 x 2.0 m an alluminium powder coated window of size 1.00 x 2.00 m 1 No of structural glazing (fixed and sliding One side slope as per elclosed drawing cabin of size etc (Approved Quoated Rate)	Each	393450.00	Rupees Three Hundred Ninety Three Thousand Four Hundred Fifty Only
		10000 LPD R.O. Plant			
24		**RAW WATER PUMP:**			
		Quantity : 1No.			
		Type: Centrifugal Mono Block			
		MOC & Make : UKL			
		Motor Rating : 0.75 HP			
		PRESSURE SAND FILTER:			
		Quantity : 1No.			
		Capacity : 1000 LPH			
		MOC & Make of Housing : UKL			
		MOC & Make of Cartridge : UKL			
		Capcity : 100 LPH			
		MOC & Make of Vessel : UKL			
		Diameter : 40 mm			
		Type of Valve : Single Multiport			
		media : Support bed + Sand			
		MICRON CARTRIDGE FILTER :			
		Quantity : 1 Set.			
		Filter Rating : 5 Microns			
		Size : 20 " Long			
		ANTISCALANT DOSING PUMPS:			
		Quanity : 1 Set			
		Type : Electro - magnetic			
		Capacity : 1.5 LPH @ 4 Bar			
		HIGH PRESSURE PUMP:			
		Quantity : 1 No			
		Capacity : 1700 LPH			
		Type of Pump : Vertical Multistage Centrigugal Pump			
		MOC : SS 304			
		Motor Rating : 2 HP, 3 Phase			
		Maximum Pressure : 12 Kg/ cm2			
		Make : UKL			
		RESERVE OSMOSIS SYSTEM :			
		Quantity : 1 No			

pproved Qty.	Description	Unit	Rates Executive Engineer, KRIDL	
			In Figures	In Words
	Capacity : 1000 LPH			
	Module Type			
	Membrane Specifications {Polyamde}			
	Make of Membrane : UKL			
	UV STERILISER			
	Max. Treatment Flow : 1 m3/hr			
	No. of Lamps : 1 No			
	Wattage : 39 W			
	Efficiency : 99.99%			
	Material of Construction : SS 304			
	PRODUCT WATER QUALITY:			
	Appearance : Crystal Clear			
	Abide by the ISO Standards			
	S S Tank : 304 Grade with 16 guage 2000 liters Capacity			
	304 Grade 10 Gauage SS Pipe {with stream valve} 25 Ft			
	COIN BOOTH DISPENSING UNIT			
	for 5 Liters & 20 Ltrs Separately			
	Raw Water Stoage Tank : Dunction - for Storage of Raw Water			
	Type / MOC : Two / Three Layered PE tanks White / Transparent in color made from virgin material of food grade Quality suitabke fir the purpose of providing			
1	Storage Drinking / Portable Water : 5000 Liters Capacity	Nos	992543.20	Rupees Nine Hundred Ninety Two Thousand Five Hundred Forty Three and Twenty Paise Only

Signature of the Contractor

Executive Engineer
Byarayanapura Division 31/03
BBMP, Bangalore - 92

31/03